

AMENDMENT AND PRESENTATION OF CLAIMS

*Do not enter
cl "18-04*

Please replace all prior claims in the present application with the following claims, in which claims 2, 4, 17, 38-46, 65-66, 69, 71, 83, and 85 are canceled without prejudice or disclaimer and claims 1, 3, 5-6, 16, 18-19, 49, 68, 70, 72, 82, 84, and 86 are currently amended.

1. (Currently Amended) An optical switch facilitating the verification of optical path integrity, comprising a plurality of optical signal ports and at least one optical switching element for causing an optical signal incident along a first optical signal port to be transmissively coupled to a second optical signal port, the optical switch further comprising:

a supplemental signal detector coupled to the second optical signal port for detecting a supplemental signal associated with the optical signal, wherein the supplemental signal includes a modulation applied to the optical signal,

wherein the optical switch receives information about at least one attribute of the detected supplemental signal from the supplemental signal detector and issues a fault indication if the attribute does not meet an expected criterion, and
wherein the criterion is determined based upon at least one previously detected value of the attribute.

2. (Canceled)

3. (Currently Amended) The optical switch of claim ~~2~~ 1 wherein the criterion is affected by information from a source outside of the optical switch.

4. (Canceled)